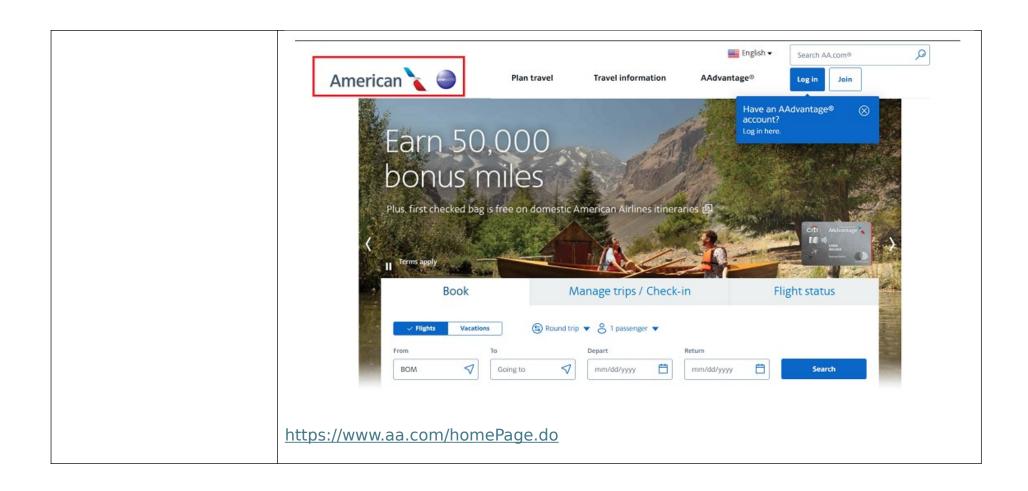
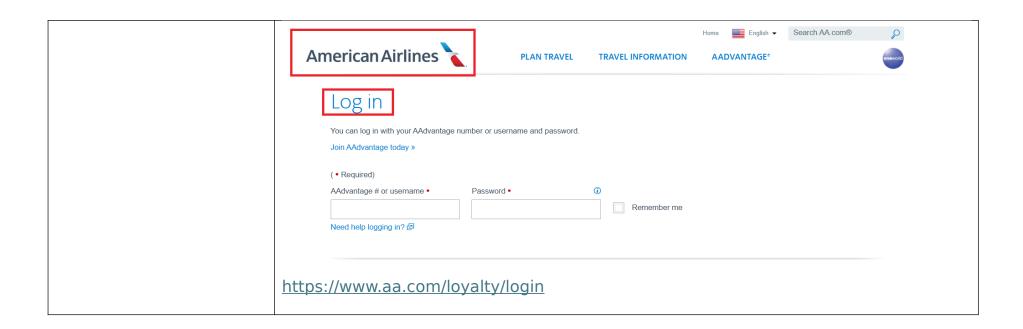
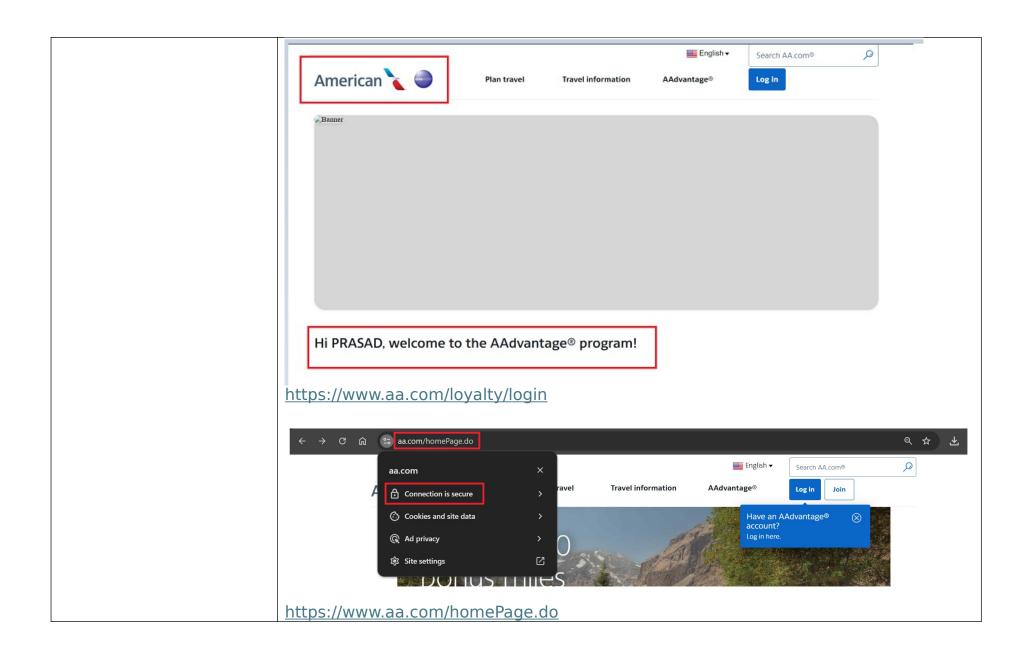
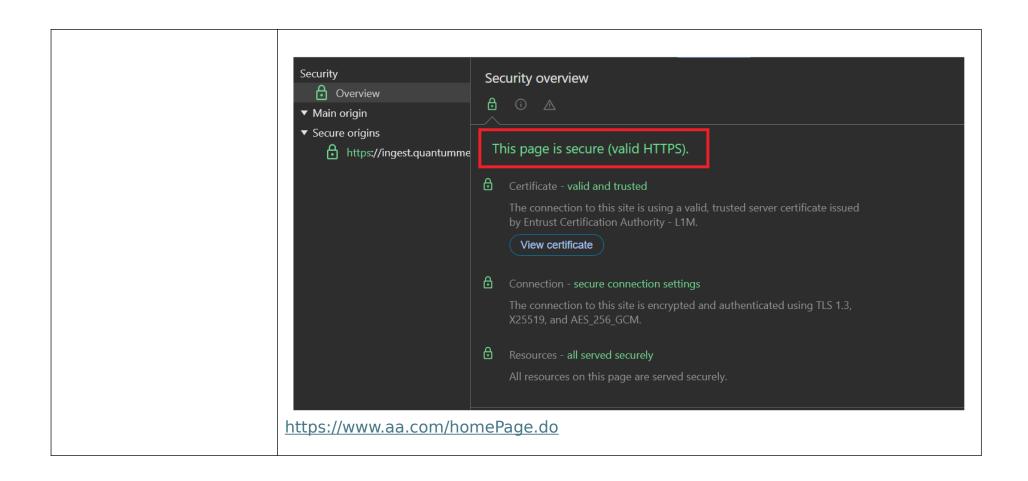
## Exhibit 2

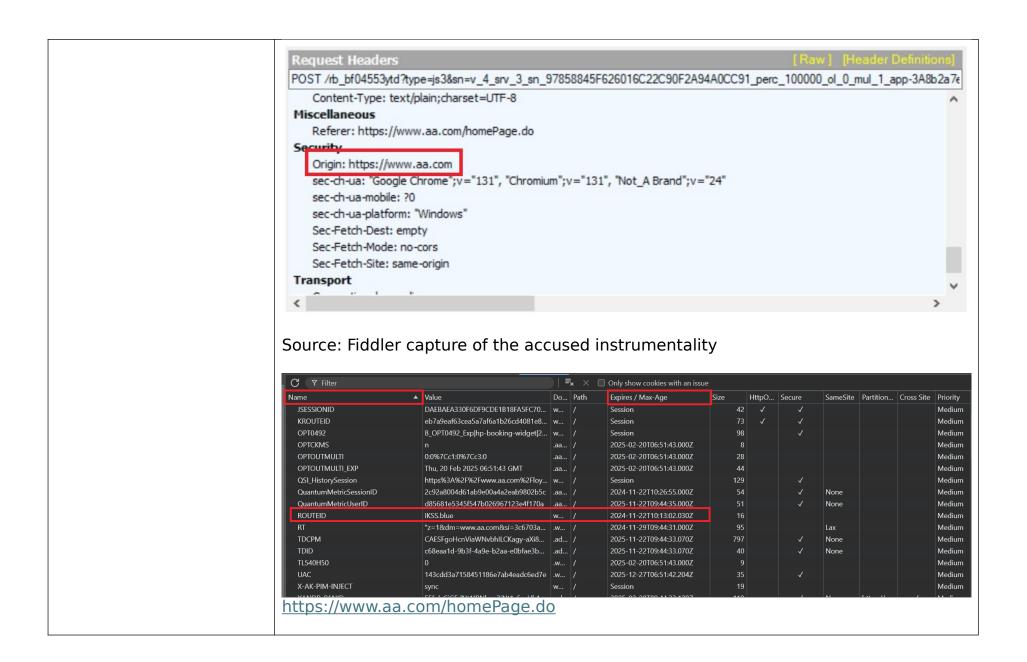
US8677116B1	American Airline's website "aa.com" ("The accused instrumentality")
1. A method of using a	The accused instrumentality practices a method of using a computer system (e.g.,
computer system to	authentication server of the accused instrumentality, etc.) to authenticate a user
authenticate a user	seeking to conduct at least one interaction (e.g., account login, etc.) with a secured
seeking to conduct at	capability provided by a computer (e.g., server of the accused instrumentality).
least one interaction with	
a secured capability provided by a computer, the method comprising:	As shown, the website of the accused instrumentality practices providing secure connection with a user's device (electronic device of the user) through HTTPS connections. This is achieved by an authentication server (a computer system) authenticating users seeking to perform actions such as account login, job searches, etc., (interactions) ensuring that interactions with secured features are protected from unauthorized access.









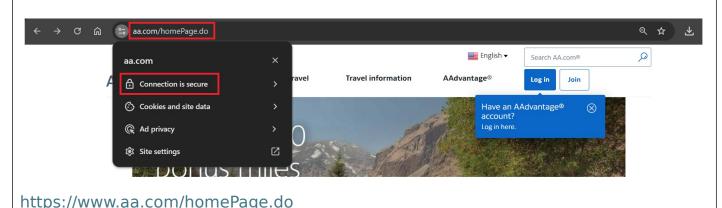


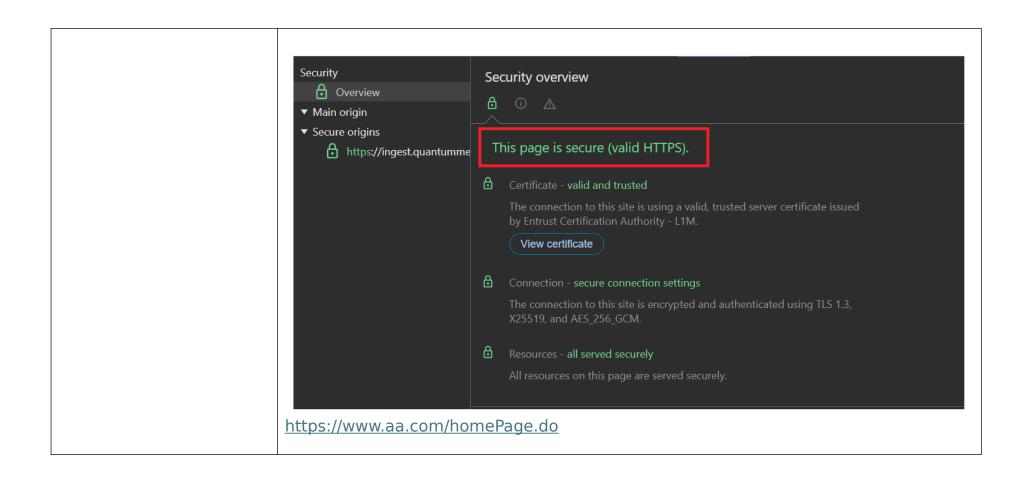
using the computer system to receive a first signal from the computer providing the secured capability, the first signal comprising a reusable identifier corresponding to the secured capability, the reusable identifier assigned for use by the secured capability for a finite period of time;

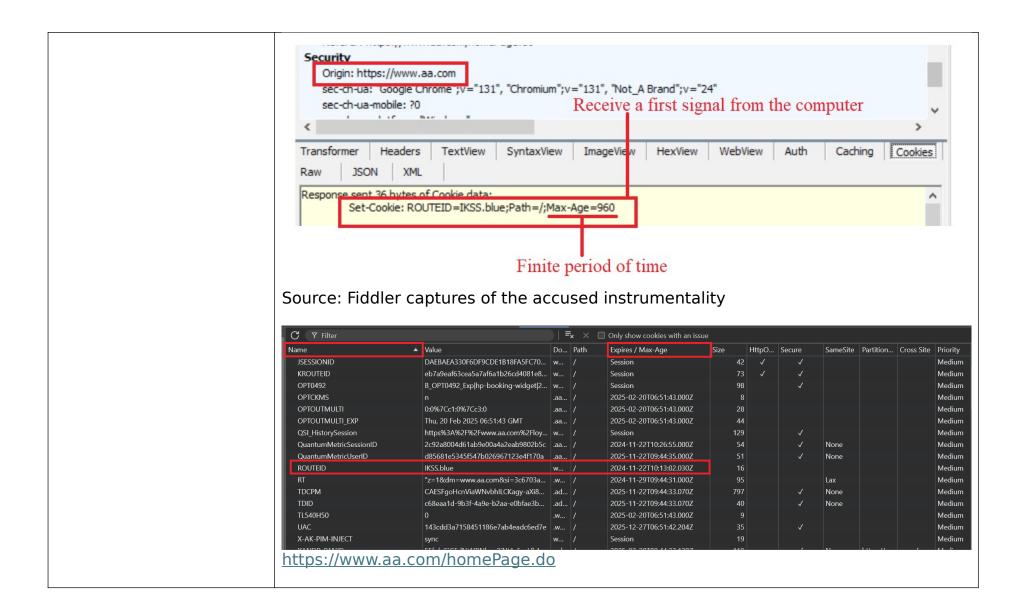
The accused instrumentality practices using the computer system (e.g., authentication server of the accused instrumentality, etc.) to receive a first signal (e.g., a ROUTEID set response, etc.) from the computer (e.g., server of the accused instrumentality) providing the secured capability (e.g., secure connection with the website, etc.), the first signal comprising a reusable identifier (e.g., ROUTEID, etc.) corresponding to the secured capability (e.g., secure connection with the website, etc.), the reusable identifier assigned for use by the secured capability for a finite period of time (e.g., Max-Age).

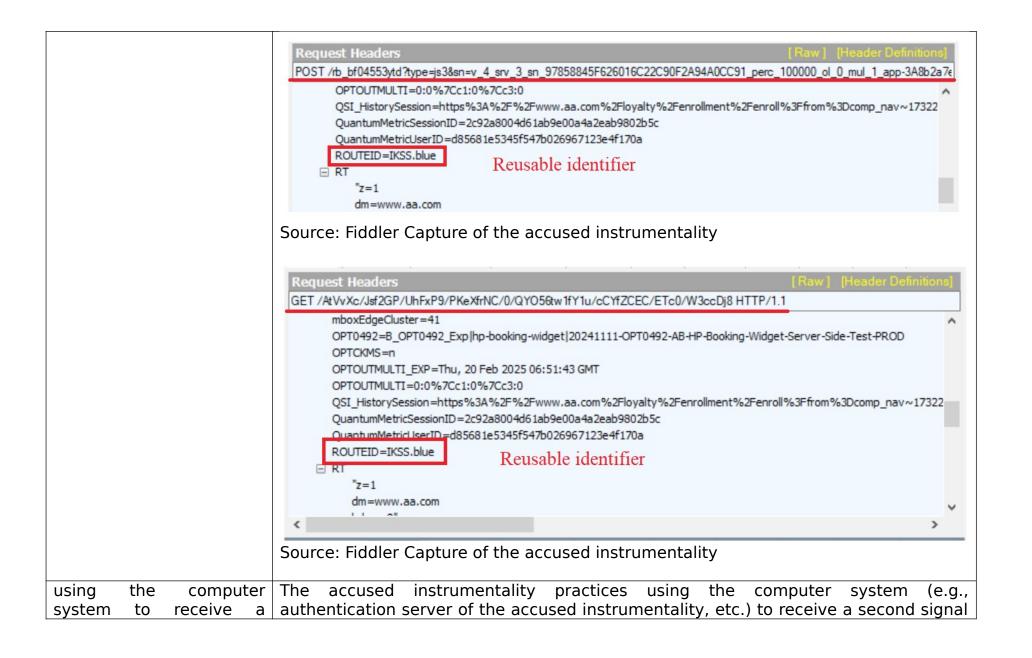
As shown, the website of the accused instrumentality practices providing secure connection with a user's device (electronic device of the user) through HTTPS connections. This is achieved by an authentication server (a computer system) authenticating users seeking to perform actions such as account login, etc., (interactions) ensuring that interactions with secured features are protected from unauthorized access. The server sends a response to set ROUTEID value, which is set by the user device.

As shown, the ROUTEID token set by the end device is reused in all further communications with the server. The ROUTEID token also mentions a Max-Age for the token, indicating that it can be reused for a finite period.









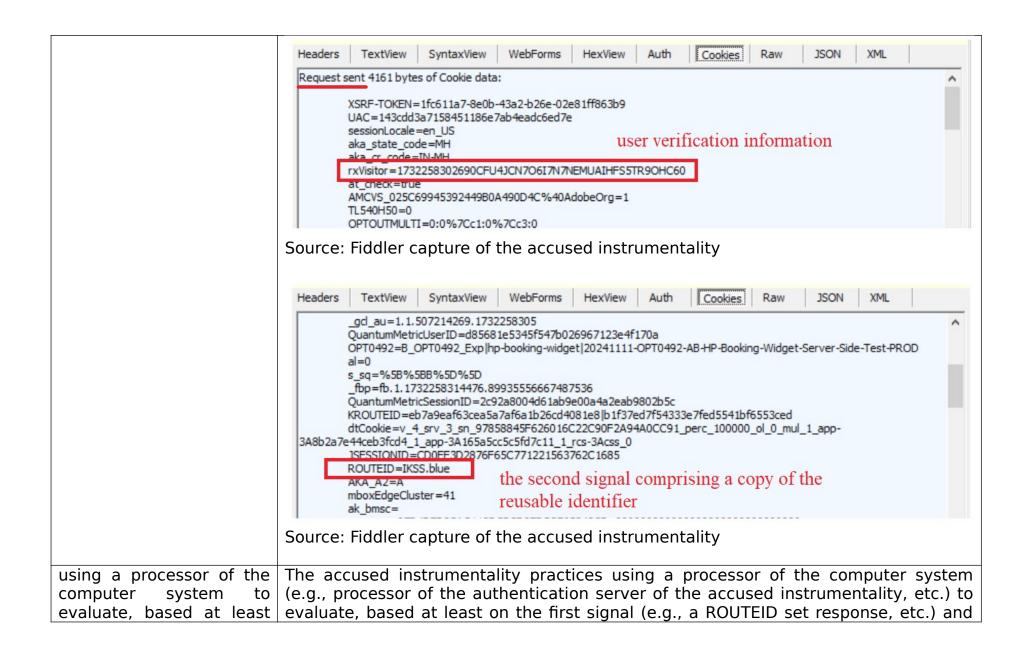
electronic device being used by the user, the second signal comprising a copy of the reusable identifier and user verification information:

second signal from an (e.g., a request signal from the user device) from an electronic device being used by the user, the second signal (e.g., request signal from the user device) comprising a copy of the reusable identifier (e.g., ROUTEID, etc.) and user verification information (e.g., rxVisitor).

> When the server sends a message containing an ROUTEID to the user device, the client includes a copy of the ROUTEID in all subsequent requests to the server, along with user verification information (e.g., rxVisitor credentials). This allows the server to authenticate the client for the duration of the session and ensure secure communication between the client and server.



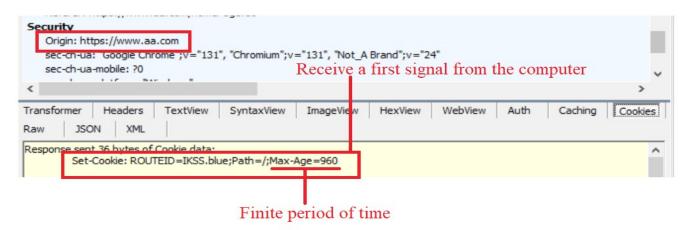
Source: Fiddler Capture of the accused instrumentality



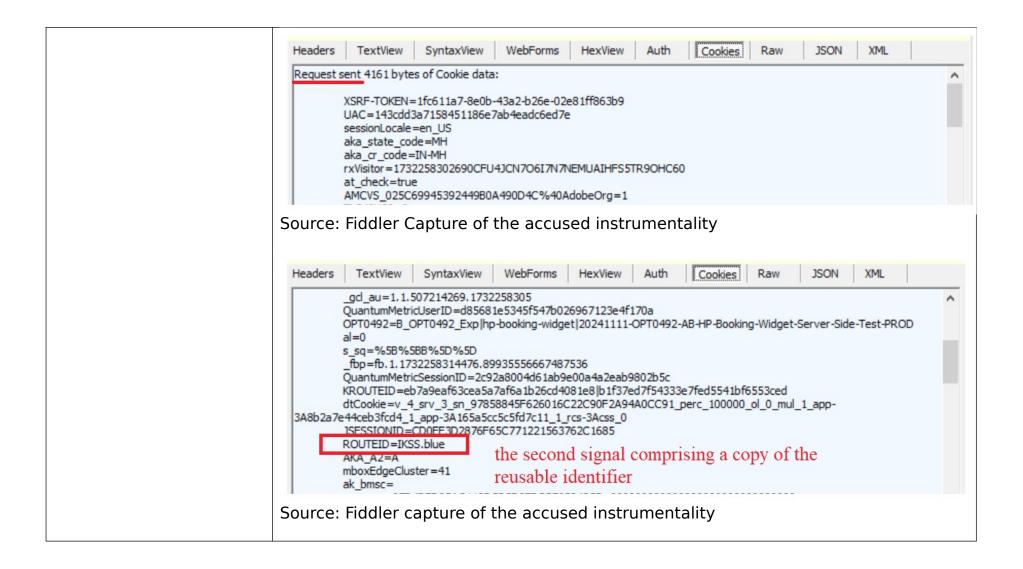
on the first signal and the second signal, whether the user is authorized to conduct the at least one interaction with the secured capability; and

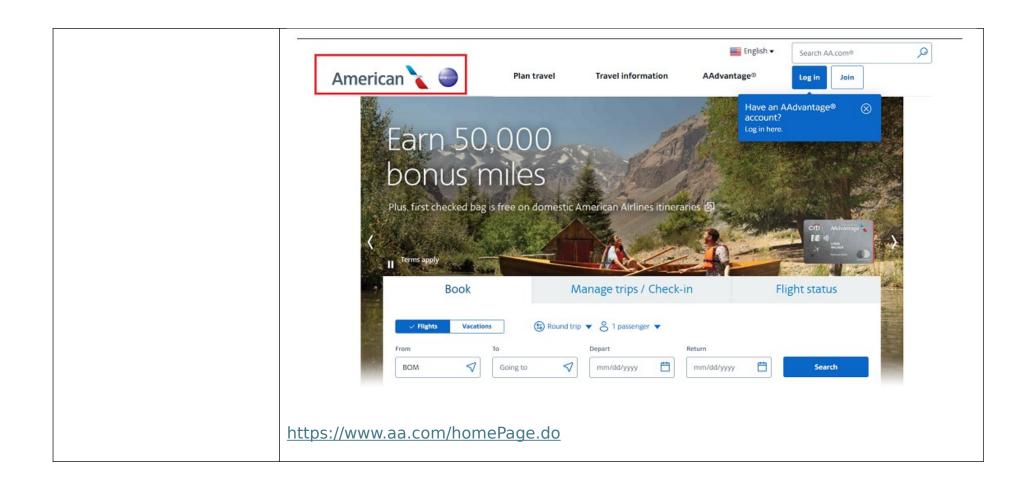
the second signal (e.g., a request signal from the user device), whether the user is authorized to conduct the at least one interaction (e.g., account login, etc.) with the secured capability (e.g., secure connection with the website, etc.).

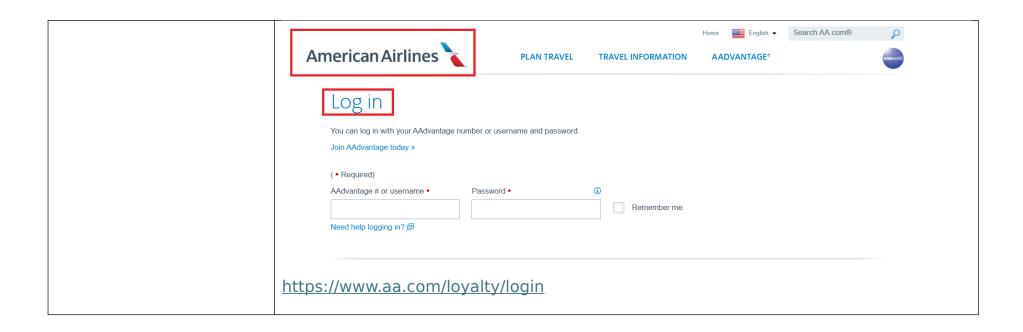
The server compares the reusable identifier, such as the token (e.g., ROUTEID), in the first response received from the server with the token included in the client's subsequent request. If a match is found, the server authenticates the user and processes the request securely.

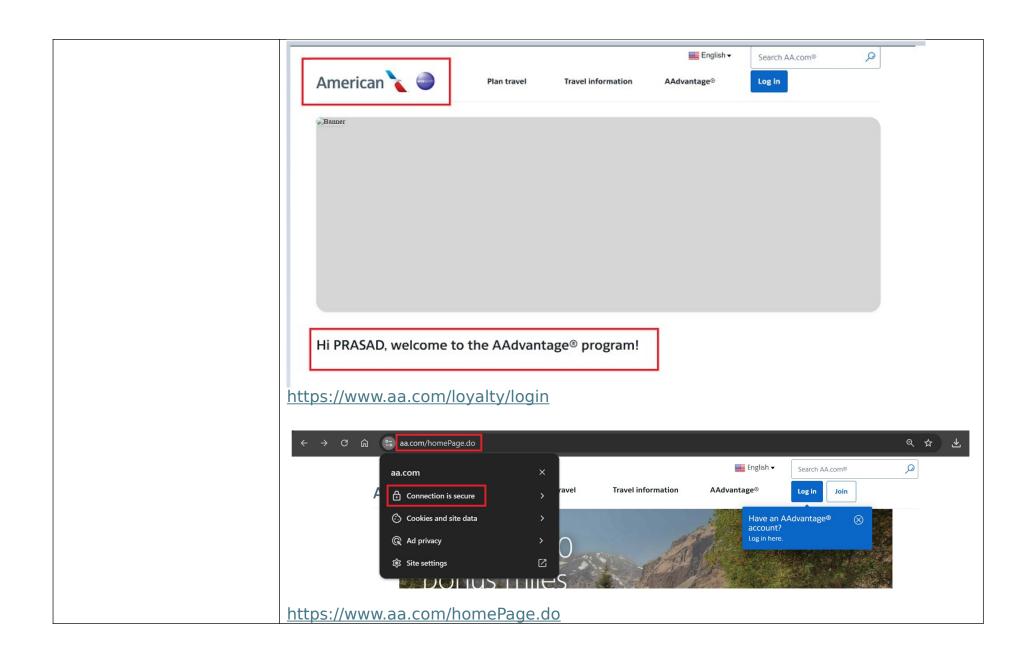


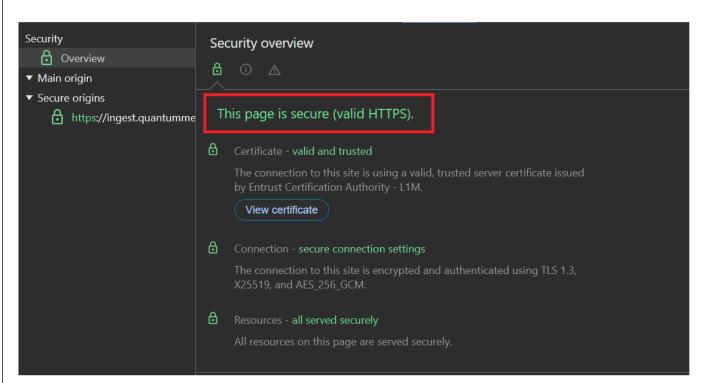
Source: Fiddler captures of the accused instrumentality











https://www.aa.com/homePage.do

response to in an indication from the processor that the user is authorized to conduct the at least one interaction with the secured using capability, the computer system to transmit a third signal

The accused instrumentality practices in response to an indication from the processor (e.g., processor of the authentication server of the accused instrumentality, etc.) that the user is authorized to conduct the at least one interaction with the secured capability (e.g., secure connection with the website, etc.), using the computer system processor (e.g., authentication server of the accused instrumentality, etc.) to transmit a third signal comprising authorization information (e.g., a response signal from the server to the user device, etc.) to at least one of the electronic device (e.g., user device, etc.) and the computer.

information to at least one of the electronic device and the computer.

comprising authorization As shown, upon authenticating the ROUTEID, the user device receives an authentication confirmation message (a third signal), from the server to the user device.



Source: Fiddler capture of the accused instrumentality

